

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
22 February 2001 (22.02.2001)

PCT

(10) International Publication Number  
WO 01/12842 A1(51) International Patent Classification: C12Q 1/18,  
I00, C12N 15/00, 1/38

(21) International Application Number: PCT/US00/40676

(22) International Filing Date: 18 August 2000 (18.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/149,761 19 August 1999 (19.08.1999) US(71) Applicant (for all designated States except US): OM-  
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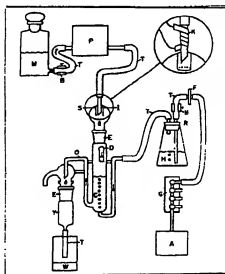
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Suite 410, 30500 Northwestern Highway, Farmington  
Hills, MI 48334 (US).(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published:

— With international search report.

— Before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments.For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND TARGETS OF ANTIBIOTIC RESISTANCE



A ... air pump  
C ... growing culture  
D ... air exit port  
F ... filter  
G ... gang valve  
H ... water humidification flask  
I ... input chamber  
K ... heating tape  
M ... fresh medium  
O ... siphon  
P ... peristaltic pump  
W ... waste

(57) Abstract: The present invention provides for a method of evolving and selecting cells resistant to a selective agent by inducing directed evolution in continuous culture while applying both a mutagenic and selective agent to the cells to determine the cells having resistance. This also provides a method of generating mutant drug targets useful for screening for effective compounds. The Figure is a generalized schematic diagram of a chemostat of the present invention.

WO 01/12842 A1